

ABSTRACT OF THE DISCLOSURE

A direct conversion circuit includes first and second mixers to which a radio frequency signal is input. An
5 oscillator supplies the first and second mixers with local oscillation signals whose phases are orthogonal to each other. A baseband processing circuit processes baseband signals output from the first and second mixers. A level-difference
10 correcting circuit which corrects the two baseband signals input to the baseband processing circuit so that the levels of both are equal to each other is provided in a stage before the first and second mixers. The levels of the baseband signals are corrected by changing relative levels of the radio frequency signal input to the first mixer and the radio
15 frequency signal input to the second mixer.